Test Laboratory: Shenzhen EMTEK Co.,Ltd. Date: 2022/4/22

GSM850

DUT: M1

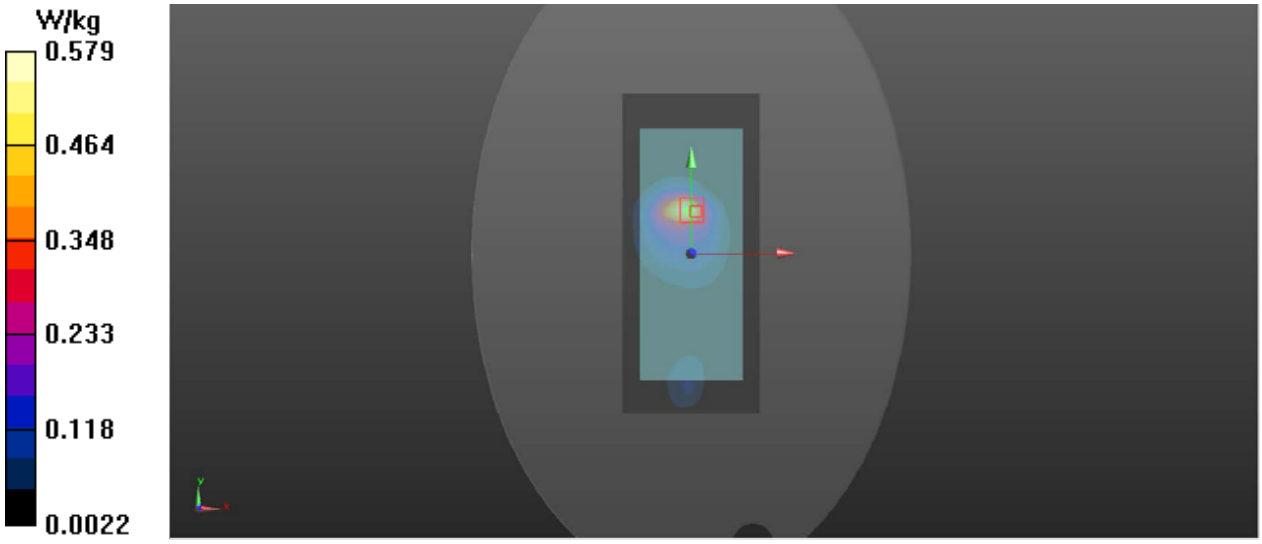
Communication System: GPRS12; Frequency: 836.4 MHz;Duty Cycle: 1:2.00032
Medium: H835 Medium parameters used: f = 836.4 MHz; σ = 0.919 S/m; ε_r = 42.859; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3970; ConvF(10.16, 10.16, 10.16); Calibrated: 2022/4/18;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

BACK/Area Scan (61x141x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

Maximum value of SAR (interpolated) = 0.596 W/kg

BACK/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.738 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 0.532 W/kg; SAR(10 g) = 0.218 W/kg
Maximum value of SAR (measured) = 0.579 W/kg



GSM1900

DUT: M1

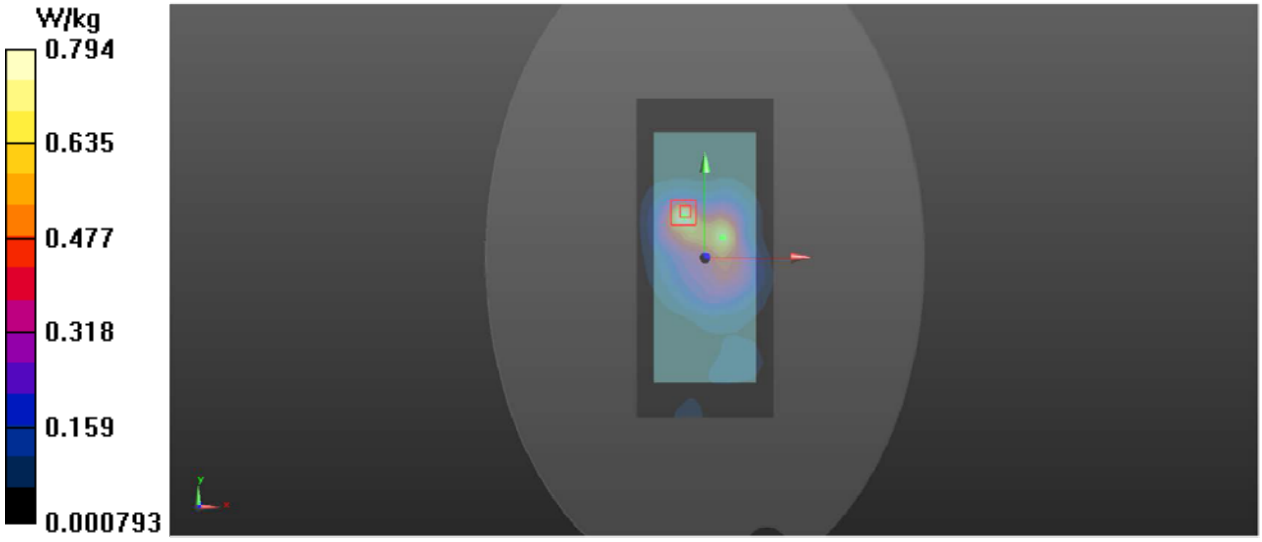
Communication System: GPRS12; Frequency: 1880 MHz;Duty Cycle: 1:2.00032
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.45 S/m; ε_r = 39.74; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3970; ConvF(8.5, 8.5, 8.5); Calibrated: 2022/4/18;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

BACK/Area Scan (61x141x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

Maximum value of SAR (interpolated) = 0.878 W/kg

BACK/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.928 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 2.01 W/kg
SAR(1 g) = 0.708 W/kg; SAR(10 g) = 0.295 W/kg
Maximum value of SAR (measured) = 0.794 W/kg



WCDMA850

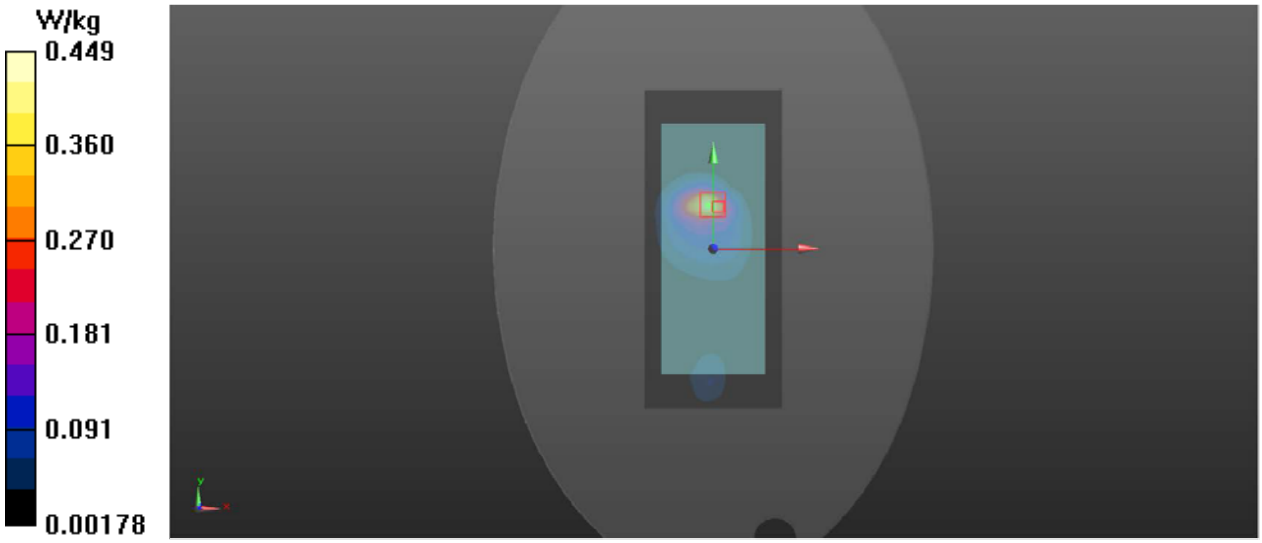
DUT: M1

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: H835 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.919 S/m; ε_r = 42.859; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.8℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3970; ConvF(10.3, 10.3, 10.3); Calibrated: 2022/4/18;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

BACK/Area Scan (61x141x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm
Maximum value of SAR (interpolated) = 0.444 W/kg

BACK/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.329 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.170 W/kg
Maximum value of SAR (measured) = 0.449 W/kg



WCDMA1900

DUT: M1

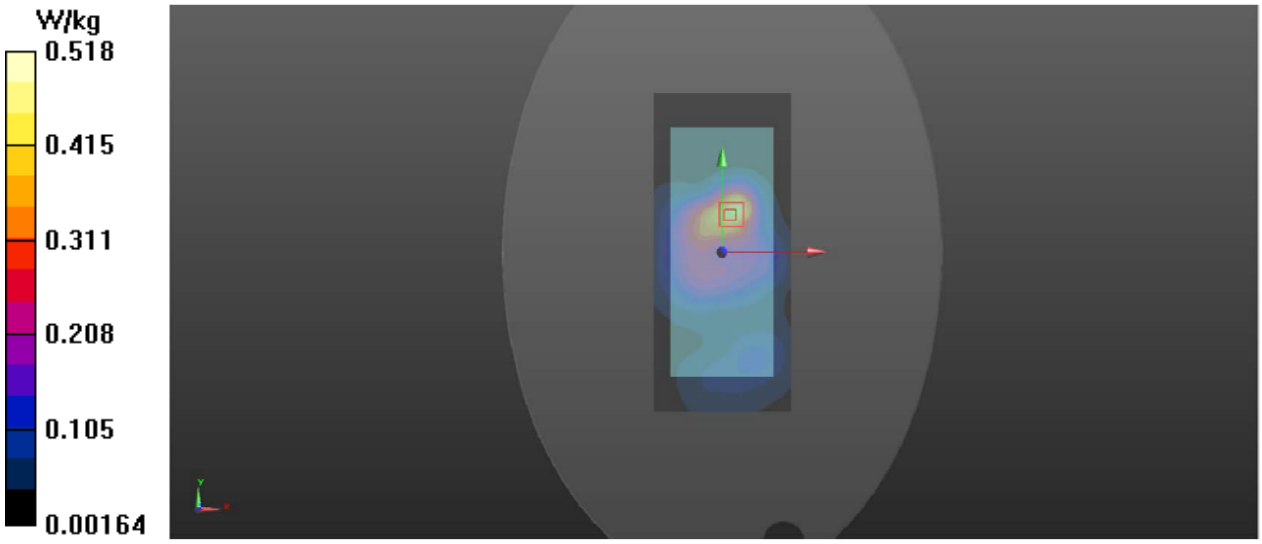
Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.45 S/m; ε_r = 39.74; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3970; ConvF(8.5, 8.5, 8.5); Calibrated: 2022/4/18;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

BACK/Area Scan (61x141x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

Maximum value of SAR (interpolated) = 0.503 W/kg

BACK/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.646 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.968 W/kg
SAR(1 g) = 0.663 W/kg; SAR(10 g) = 0.264 W/kg
Maximum value of SAR (measured) = 0.518 W/kg



LTE BAND2

DUT: M1

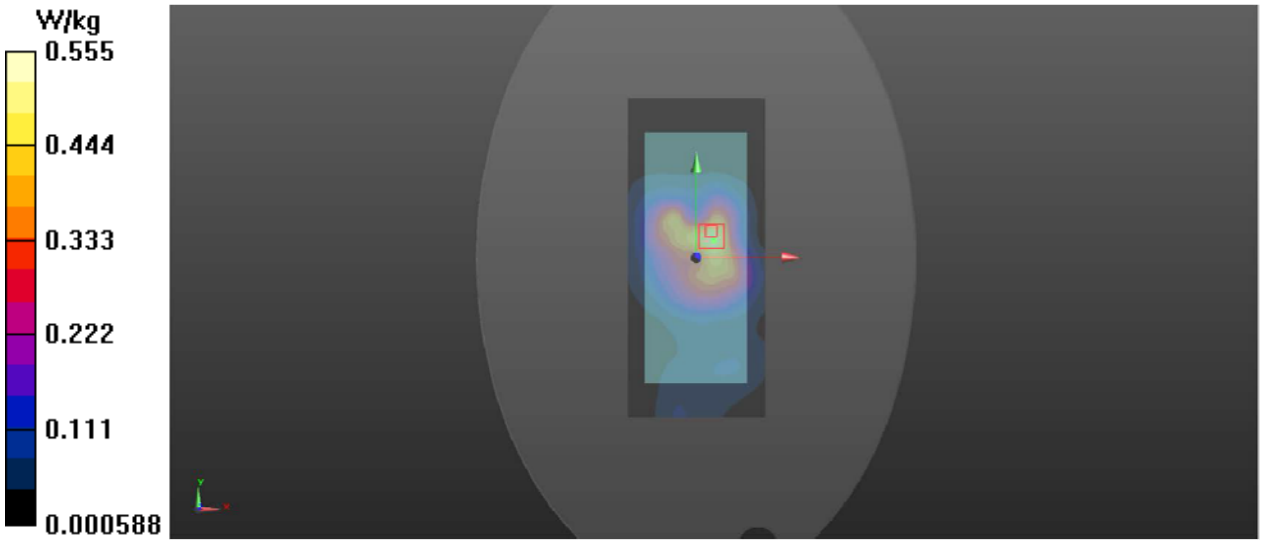
Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.45 S/m; ε_r = 39.74; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3970; ConvF(8.5, 8.5, 8.5); Calibrated: 2022/4/18;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

BACK/Area Scan (61x141x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

Maximum value of SAR (interpolated) = 0.532 W/kg

BACK/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.370 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.680 W/kg; SAR(10 g) = 0.269 W/kg
Maximum value of SAR (measured) = 0.555 W/kg



LTE BAND4

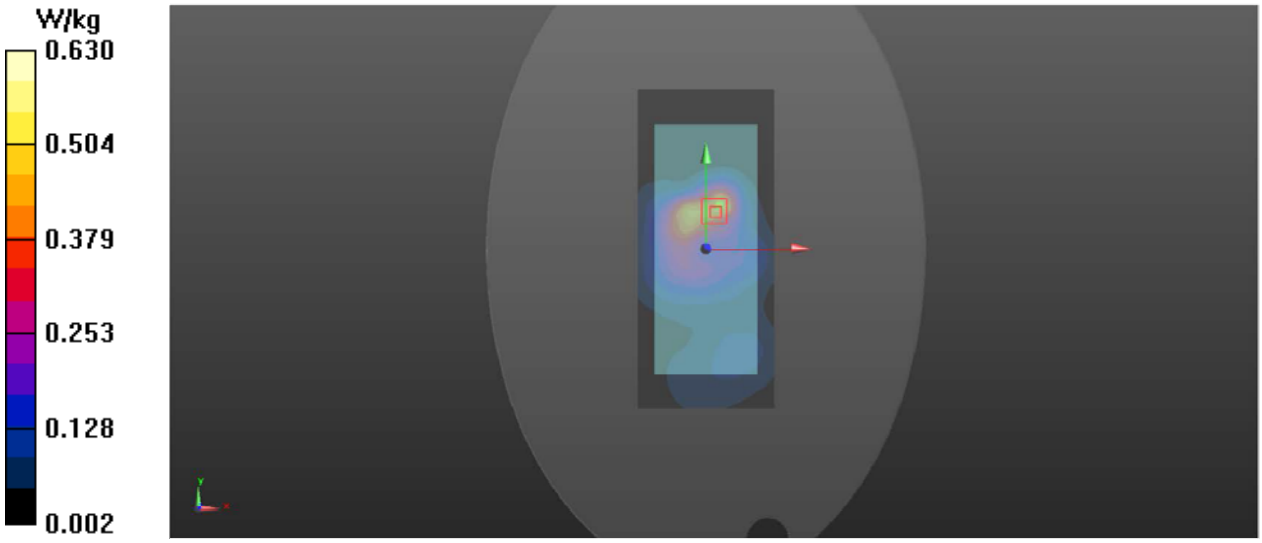
DUT: M1

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL1750 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.363 S/m; ε_r = 40.136; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：22.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3970; ConvF(8.8, 8.8, 8.8); Calibrated: 2022/4/18;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

BACK/Area Scan (61x141x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm
Maximum value of SAR (interpolated) = 0.507 W/kg

BACK/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.556 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.679 W/kg; SAR(10 g) = 0.296 W/kg
Maximum value of SAR (measured) = 0.630 W/kg



2.4G

DUT: M1

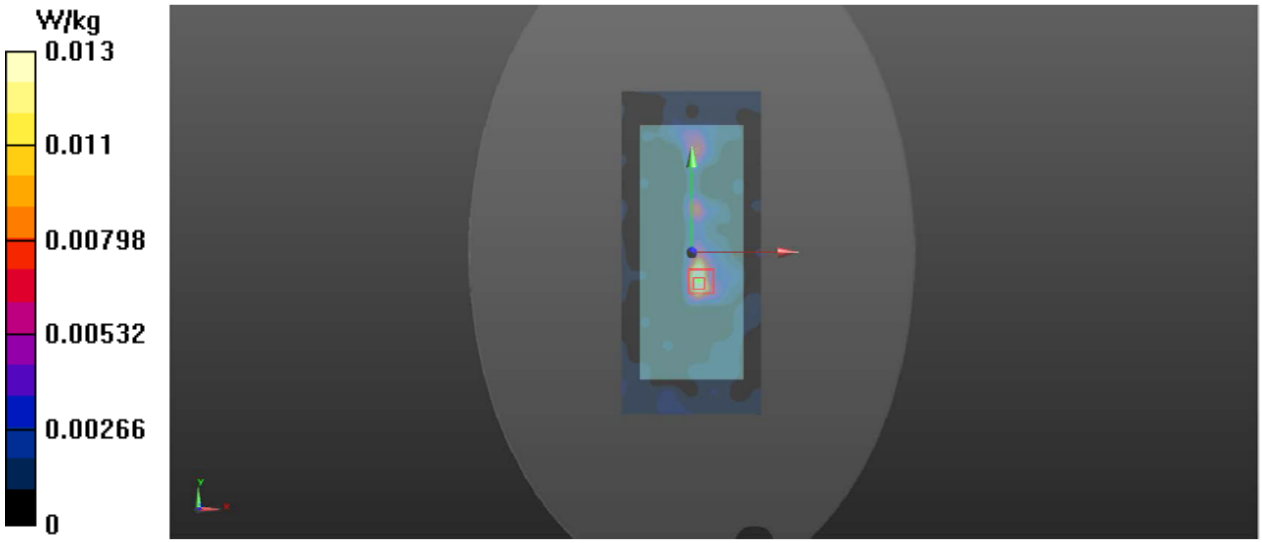
Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: H2450 Medium parameters used: f = 2437 MHz; σ = 1.784 S/m; ε_r = 40.407; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：22.0℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3970; ConvF(8.06, 8.06, 8.06); Calibrated: 2022/4/18;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

BACK/Area Scan (61x141x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

Maximum value of SAR (interpolated) = 0.0180 W/kg

BACK/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.616 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.0390 W/kg
SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.00436 W/kg
Maximum value of SAR (measured) = 0.0133 W/kg



5.2G

DUT: M1

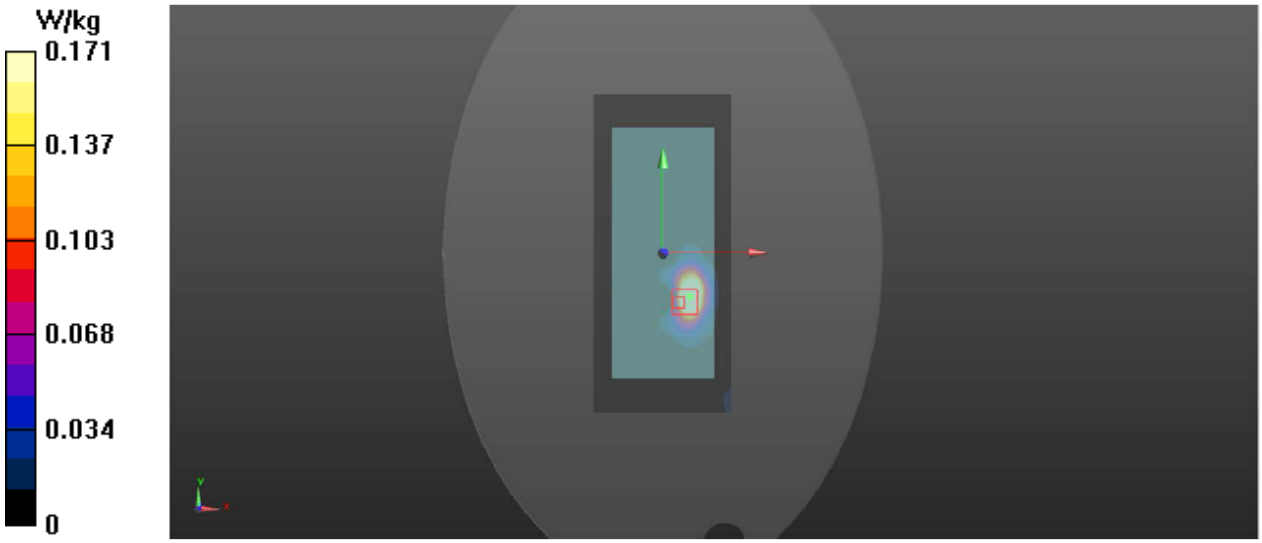
Communication System: 802.11a; Frequency: 5200 MHz;Duty Cycle: 1:1.2517
Medium: H5G Medium parameters used: f = 5200 MHz; σ = 4.688 S/m; ε_r = 36.999; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：21.6℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3970; ConvF(5.85, 5.85, 5.85); Calibrated: 2022/4/18;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

BACK/Area Scan (61x141x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

Maximum value of SAR (interpolated) = 0.448 W/kg

BACK/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.190 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.499 W/kg
SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.027 W/kg
Maximum value of SAR (measured) = 0.171 W/kg



5.3G

DUT: M1

Communication System: 802.11a; Frequency: 5300 MHz;Duty Cycle: 1:1.2517

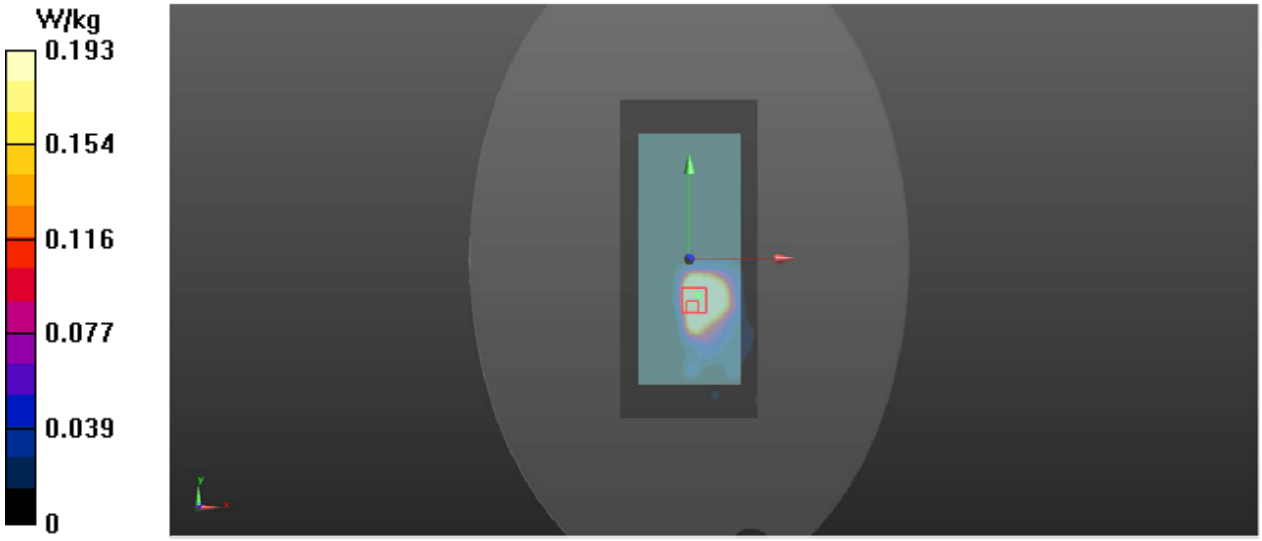
Medium: H5G Medium parameters used: f = 5300 MHz; σ = 4.81 S/m; ε_r = 36.791; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：21.6℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3970; ConvF(5.85, 5.85, 5.85); Calibrated: 2022/4/18;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

BACK/Area Scan (61x141x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

Maximum value of SAR (interpolated) = 0.658 W/kg

BACK/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.536 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.498 W/kg
SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.041 W/kg
Maximum value of SAR (measured) = 0.193 W/kg



5.6G

DUT: M1

Communication System: 802.11a; Frequency: 5600 MHz;Duty Cycle: 1:1.2517

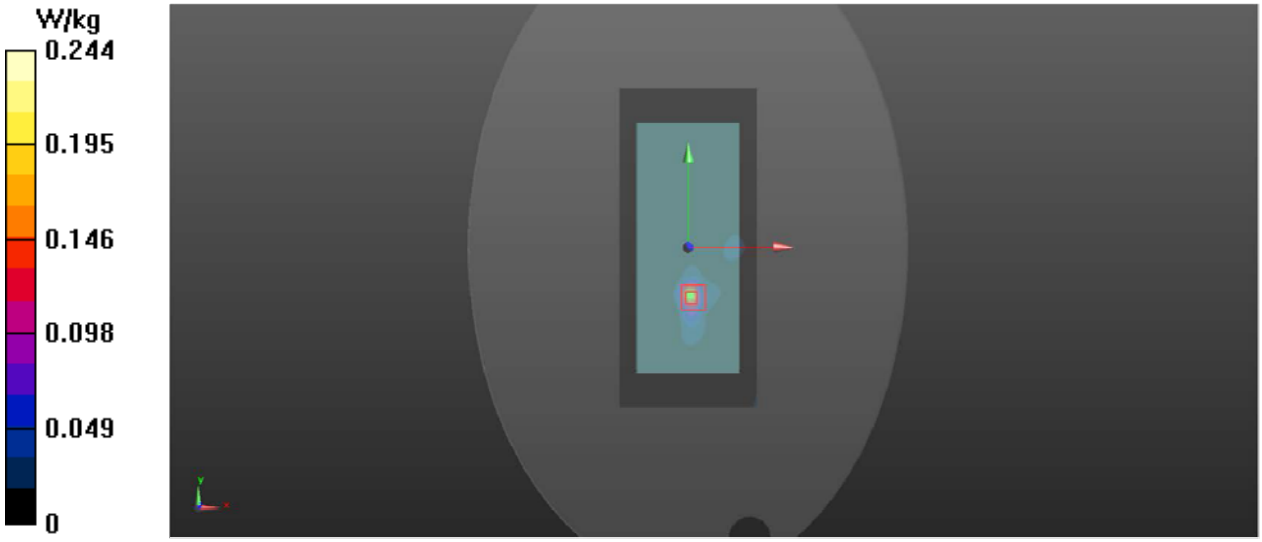
Medium: H5G Medium parameters used: f = 5600 MHz; σ =5.142 S/m; ε_r = 35.67; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃； Liquid Temperature：21.3℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3970; ConvF(5.17, 5.17, 5.17); Calibrated: 2022/4/18;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

BACK/Area Scan (61x141x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

Maximum value of SAR (interpolated) = 0.225 W/kg

BACK/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.138 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.647 W/kg
SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.058 W/kg
Maximum value of SAR (measured) = 0.244 W/kg



5.8G

DUT: M1

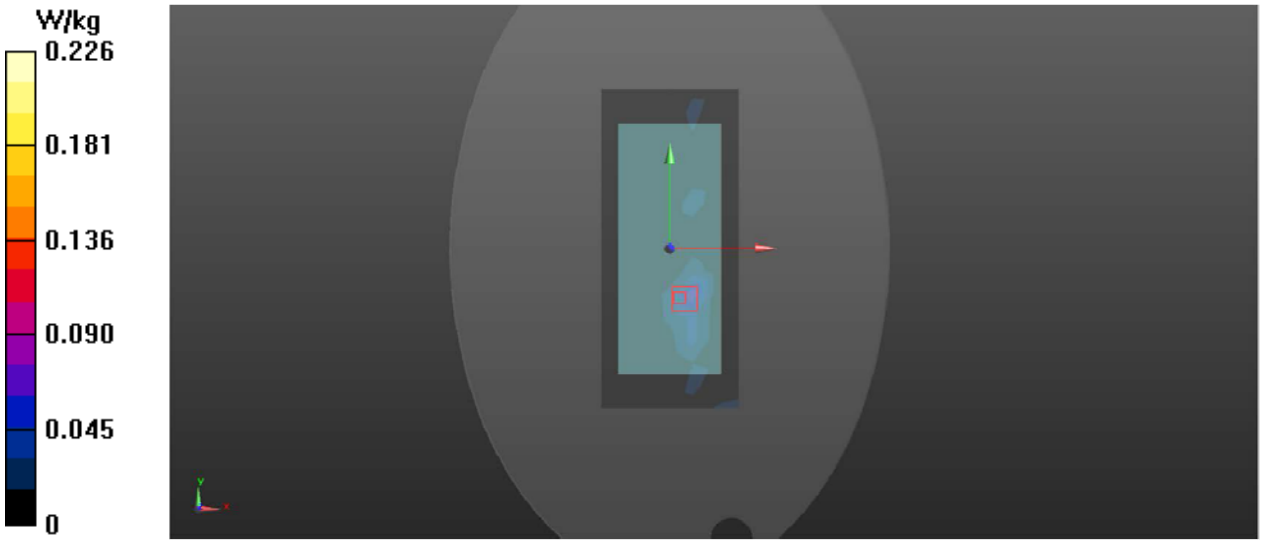
Communication System: 802.11a; Frequency: 5785 MHz;Duty Cycle: 1:1.2517
Medium: H5G Medium parameters used: f = 5785 MHz; σ = 5.396 S/m; ε_r = 35.742; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：22.0℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3970; ConvF(5.2, 5.2, 5.2); Calibrated: 2022/4/18;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

BACK/Area Scan (7x15x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.0742 W/kg

BACK/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.267 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.613 W/kg
SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.051 W/kg
Maximum value of SAR (measured) = 0.226 W/kg



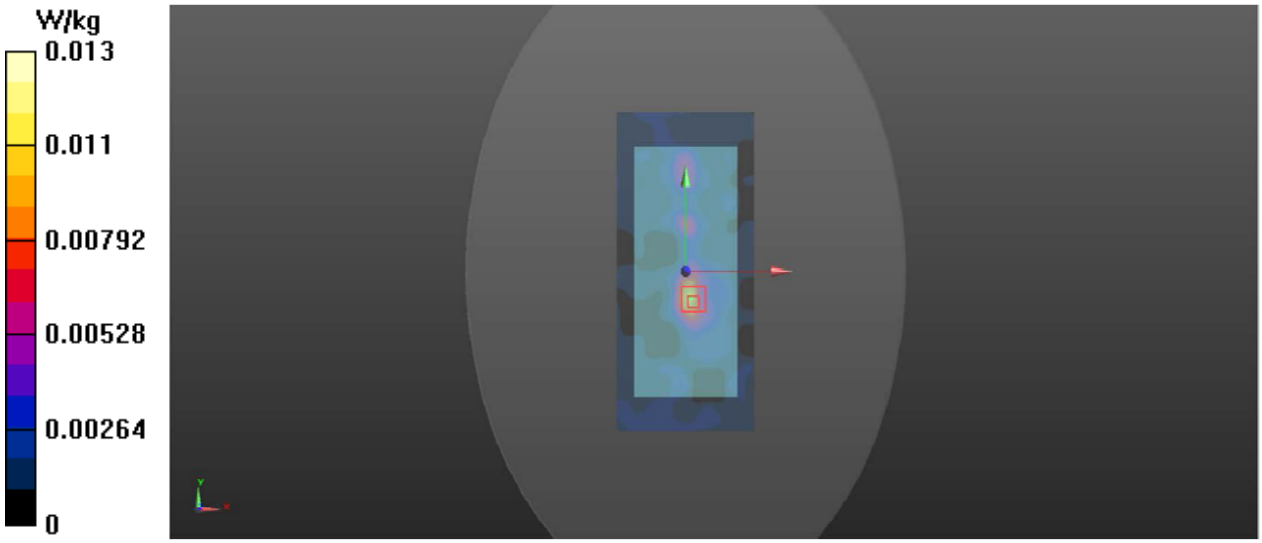
BT

DUT: M1

Communication System: BT; Frequency: 2441 MHz;Duty Cycle: 1:2.14042
Medium: H2450 Medium parameters used: f = 2441 MHz; σ = 1.782 S/m; ε_r = 40.41; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：22.0℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3970; ConvF(8.06, 8.06, 8.06); Calibrated: 2022/4/18;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2022/3/24
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

BACK/Area Scan (61x141x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

Maximum value of SAR (interpolated) = 0.0111 W/kg

BACK/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.668 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.0290 W/kg
SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.0154 W/kg
Maximum value of SAR (measured) = 0.0132 W/kg